

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Takashi MORIYOSHI et al.

Divisional Appln. of
Serial Number: 10/089,194

Parent Filed: March 27, 2002

For: 3-CEPHEM DERIVATIVE CRYSTAL

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

October 7, 2003

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the last of (1) issuance of a first official action on the merits and (2) expiration of the three month period following filing of the above-captioned application.

These documents are of record in parent application Serial No. 10/089,194, filed March 27, 2002.

DIVISIONAL APPLICATION OF S.N. 10/089,194
INFORMATION DISCLOSURE STATEMENT

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Documents UA and FA to FC were cited in the Information Disclosure Statement filed on March 27, 2002. A copy of each of an initialed PTO-1449 and the Information Disclosure Statement filed March 27, 2002, is also enclosed.

Documents FD and DA were cited in the Information Disclosure Statement filed on March 31, 2003. A copy of each of an initialed PTO-1449 and the Information Disclosure Statement filed March 31, 2003, is also enclosed.

Documents FE and DB were cited in the Information Disclosure Statement filed on August 13, 2003. A copy of each of the PTO-1449, Information Disclosure Statement and the documents filed therewith are enclosed.

Documents UB to UD were cited in the Office Action dated February 26, 2003. A copy of Notice of References Cited (PTO-892 attached to Paper No. 6) is enclosed.

Document UE was cited in the Office Action dated July 8, 2003. A copy of Notice of References Cited (PTO-892 attached to Paper No. 9) is enclosed.

The Commissioner is authorized to charge our Deposit Account

DIVISIONAL APPLICATION OF S.N. 10/089,194
INFORMATION DISCLOSURE STATEMENT

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No. 111833 for any fee which is deemed by the Patent and Trademark
Office to be required to effect consideration of this statement.

Respectfully submitted,

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Attachments: PTO-1449
2 Documents
EP Office Action
Copy of PTO-892 attached to Paper No. 6
Copy of PTO-892 attached to Paper No. 9
Copy of IDS filed March 27, 2003, and initialed
PTO-1449
Copy of IDS filed March 31, 2003, and initialed
PTO-1449
Copy of IDS filed August 13, 2003, and PTO-1449

INFORMATION DISCLOSURE STATEMENT		Atty. Docket No. TAM-047	Serial No. Not Assigned
PTO-1449		Applicant: Takashi MORIYOSHI et al.	
Filing Date: October 7, 2003		Group: Not Assigned	

U.S. PATENT DOCUMENTS

Examiner's Initial		Document No.	Date	Name	Class	Sub Class	Filing Date If appropriate
	UA	4,581,166	04/08/86	Peter et al.	260	112.5	
	UB	2002/0128254	09/02	Kawamoto et al.	540	350	
	UC	5,707,634	01/98	Schmitt, William J.	424	400	
	UD	6,221,153	04/01	Castor et al.	117	11	
	UE	6,552,185	04/03	Boogers et al.	540	220	
	UF						
	UG						

FOREIGN PATENT DOCUMENTS

Examiner's Initial		Document No.	Date	Country	Translation Yes/No/Partial
	FA	0 126 351 A1	05/04/84	EP	No
	FB	0 319 019 A2	12/02/88	EP	Abstract
	FC	95/07283	03/16/95	WO	
	FD	0 638 573 A	02/15/95	EP	
	FE	1,356,437	06/12/74	GB	
	FF				
	FG				

OTHER DOCUMENTS

Examiner's Initial		
	DA	Patent Abstract of Japan, Publication No. 63045284 A, Publication Date 02/26/88
	DB	Tanaka, Hideo et al.; "Aerobic Oxidation of 3-Iodomethyl- Δ^3 -cephem-4-carboxylate to 3-Formyl- Δ^3 -cephem-4-carboxylate through 3-Hydroperoxymethyl- Δ^3 -cephem-4-carboxylate"; <i>Bull. Chem. Soc. Jpn.</i> ; vol. 69, no. 1, pp. 229-233; 1996.
	DC	

Examiner:	Date Considered:
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KTK/cfm